

Clinical Trial Protocol

Iranian Registry of Clinical Trials

17 Sep 2026

Effect of self-care education versus no education on self-efficacy in patients with chronic obstructive pulmonary disease: a randomized clinical trial

Protocol summary

Summary

Objectives: To assess the effect of self-care education versus no education on self-efficacy in patients with chronic obstructive pulmonary disease. Design: a randomized clinical trial. Setting and conduct: The eligible patients with chronic obstructive pulmonary disease who will refer to the university hospitals during the study period will be enrolled into the trial. Inclusion criteria: (a) affected with chronic obstructive pulmonary disease; (b) literate. Exclusion criteria: history of participation in educational course about chronic obstructive pulmonary disease. Intervention: Routine care plus 3 educational sessions of 45 minutes on self-efficacy with 3 days interval. Control: Routine care only. Primary outcome: Measuring the self-efficacy using Self-efficacy COPD Scale before, immediately after, and one month after intervention. Secondary outcome: Nothing.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT201504149014N61**

Registration date: **2015-04-25, 1394/02/05**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2015-04-25, 1394/02/05

Registrant information

Name

Jalal Poorolajal

Name of organization / entity

Department of Epidemiology & Biostatistics Hamadan University of Medical Sciences

Country

Iran (Islamic Republic of)

Phone

+98 81 1838 0090

Email address

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Recruitment status

Recruitment complete

Funding source

Vice-chancellor for Research the Technology, Hamadan University of Medical Sciences

Expected recruitment start date

2014-12-22, 1393/10/01

Expected recruitment end date

2015-04-19, 1394/01/30

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

Effect of self-care education versus no education on self-efficacy in patients with chronic obstructive pulmonary disease: a randomized clinical trial

Public title

Effect of self-care education versus no education on self-efficacy in patients with chronic obstructive pulmonary disease

Purpose

Supportive

Inclusion/Exclusion criteria

Inclusion criteria: (a) affected with chronic obstructive pulmonary disease; (b) literate. Exclusion criteria: history of participation in educational course about chronic obstructive pulmonary disease.

Age

No age limit

Gender

Both

Phase

2

Groups that have been masked

No information

Sample size

Target sample size: 60

Randomization (investigator's opinion)

Randomized

Randomization description**Blinding (investigator's opinion)**

Not blinded

Blinding description**Placebo**

Not used

Assignment

Parallel

Other design features

Randomization: random assignment of the patients to the intervention and control groups using block permutation. Blinding: Not blinded.

Secondary Ids

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Research Ethic Committee of Hamadan University of Medical Sciences

Street address

Vice-chancellor of Research the Technology,
Hamadan University of Medical Sciences, Shahid Fahmideh Ave

City

Hamadan

Postal code

6517838695

Approval date

2014-10-21, 1393/07/29

Ethics committee reference number

D/P/16/35/9/3558

Health conditions studied**1****Description of health condition studied**

chronic obstructive pulmonary disease

ICD-10 code

J44

ICD-10 code description

Other chronic obstructive pulmonary disease

Primary outcomes**1****Description**

Measuring the self-efficacy

Timepoint

before, immediately after, and one month after intervention

Method of measurement

using Self-efficacy COPD Scale

Secondary outcomes**1****Description**

Nothing

Timepoint

Nothing

Method of measurement

Nothing

Intervention groups**1****Description**

Routine care plus 3 educational sessions of 45 minutes on self-efficacy with 3 days interval.

Category

Other

2**Description**

Routine care only

Category

N/A

Recruitment centers**1****Recruitment center****Name of recruitment center**

university hospitals

Full name of responsible person

Negar Kazemi

Street address

School of Nursing and Midwifery, Hamadan University of Medical Sciences, Shahid Fahmideh Ave.

City

Hamadan

Sponsors / Funding sources**1****Sponsor**

Name of organization / entity

Vice-chancellor for Research the Technology,
Hamadan University of Medical Sciences

Full name of responsible person

Dr Saeid Bashirian

Street address

Hamadan University of Medical Sciences, Shahid
Fahmideh Ave

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Hamadan

Grant name

Grant code / Reference number

**Is the source of funding the same sponsor
organization/entity?**

Yes

Title of funding source

Vice-chancellor for Research the Technology, Hamadan
University of Medical Sciences

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

School of Nursing and Midwifery

Full name of responsible person

Negar Kazemi

Position

Nursing Student

Other areas of specialty/work

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Master of Community Health Education

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Person responsible for updating data

Contact

Name of organization / entity

School of Public Health, Hamadan University of
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Full name of responsible person

Dr Jalal Poorolajal

Position

Associate Professor

Other areas of specialty/work

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty